

Title (en)

AMORPHOUS CARBON MATERIAL AND GRAPHITE CARBON MATERIAL FOR NEGATIVE ELECTRODES OF LITHIUM ION SECONDARY BATTERIES, LITHIUM ION SECONDARY BATTERY USING SAME, AND METHOD FOR PRODUCING CARBON MATERIAL FOR NEGATIVE ELECTRODES OF LITHIUM ION SECONDARY BATTERIES

Title (de)

AMORPHES KOHLENSTOFFMATERIAL UND GRAPHITKOHLENSTOFFMATERIAL FÜR NEGATIVELEKTRODEN VON LITHIUM-IONEN-SEKUNDÄRBATTERIEN, LITHIUM-IONEN-SEKUNDÄRBATTERIE DAMIT UND VERFAHREN ZUR HERSTELLUNG EINES KOHLENSTOFFMATERIALS FÜR NEGATIVELEKTRODEN VON LITHIUM-IONEN-SEKUNDÄRBATTERIEN

Title (fr)

MATÉRIAU DE CARBONE AMORPHE ET MATÉRIAU DE CARBONE GRAPHITE POUR ÉLECTRODES NÉGATIVES DE BATTERIES SECONDAIRES AU LITHIUM-ION, BATTERIE SECONDAIRE AU LITHIUM-ION LES UTILISANT ET PROCÉDÉ DE PRODUCTION DE MATÉRIAU DE CARBONE POUR ÉLECTRODES NÉGATIVES DE BATTERIES SECONDAIRES AU LITHIUM-ION

Publication

EP 2960972 A4 20160217 (EN)

Application

EP 14772668 A 20140320

Priority

- JP 2013070015 A 20130328
- JP 2014001632 W 20140320

Abstract (en)

[origin: EP2960972A1] This amorphous carbon material is used as a material for a negative electrode of a lithium-ion secondary battery. The material has a circularity of 0.7 to 0.9, both inclusive, a mean particle size of 1 μm to 30 μm , both inclusive, and a total content of transition metals of 700 ppm to 2500 ppm, both inclusive.

IPC 8 full level

H01M 4/587 (2010.01); **H01M 10/0525** (2010.01)

CPC (source: EP US)

C01B 32/05 (2017.07 - EP US); **C01B 32/20** (2017.07 - EP US); **C01B 32/205** (2017.07 - EP US); **H01M 4/583** (2013.01 - US); **H01M 4/587** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 10/0525** (2013.01 - US); **H01M 2220/20** (2013.01 - US); **H01M 2220/30** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - US)

Citation (search report)

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- See references of WO 2014156098A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 14772668 A 20140320; CN 201480018903 A 20140320; JP 2013070015 A 20130328; JP 2014001632 W 20140320; KR 20157030389 A 20140320; TW 103111846 A 20140328; US 201414780880 A 20140320